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(54) Title: HYDROGEL PARTICLE FORMULATIONS

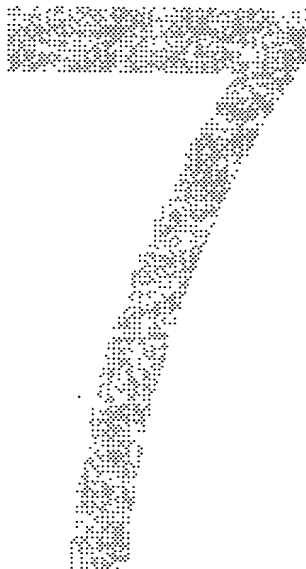
## (57) Abstract

New compositions formed from the combination of an active substance with a hydrogel carrier moiety are provided. The compositions are suitable for use in high-velocity transdermal particle injection techniques. Methods of providing the new compositions are also provided. In addition, methods for administering pharmacologically active agent to a subject are provided. These methods are useful for delivering drugs, biopharmaceuticals, vaccines and diagnostics agents.

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Drawings



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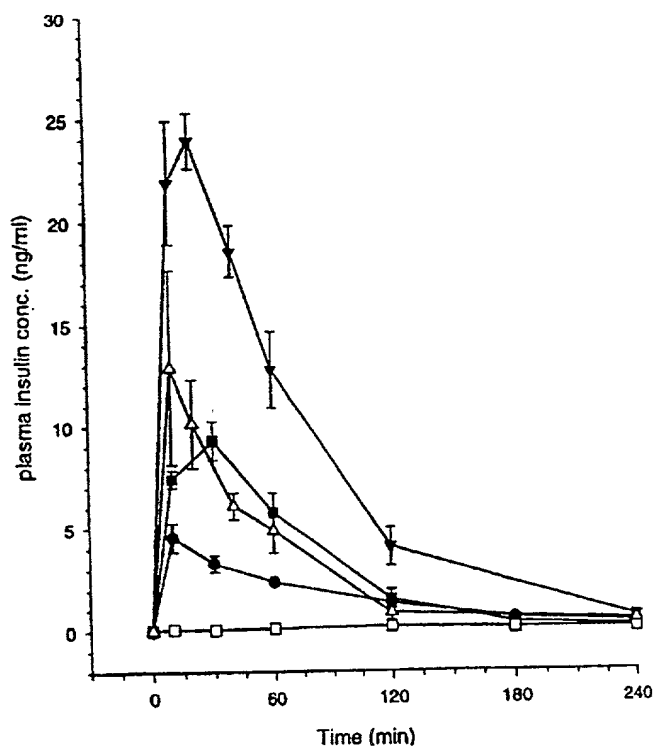
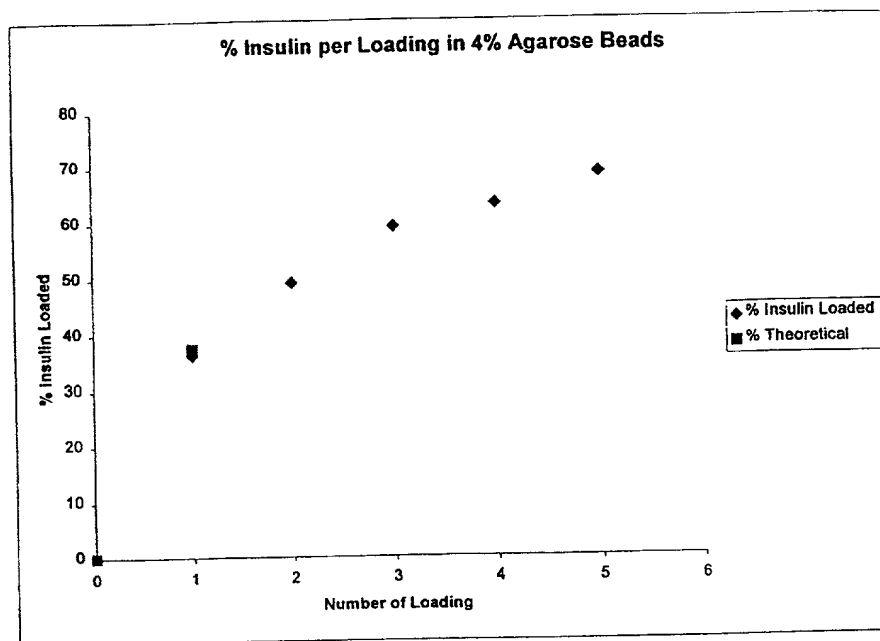
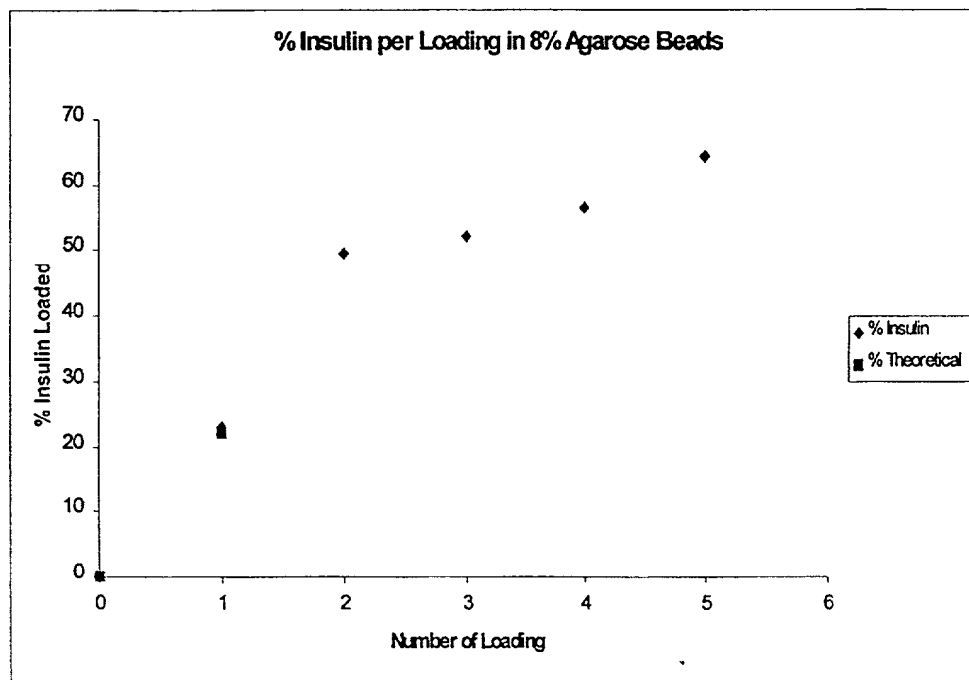


FIGURE 1

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**FIGURE 2**

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**FIGURE 3**